

ID	CALFED Element	Element Objective	CALFED Objectives	Metric Reporting						Metric Data			F
				Type	Description	Value	Unit or Qualitative Statement	Frequency	Outcome	Source & Contact	Status of Availability	Quality	Description
#			S: Supply Q: WQ E: ERP						Informational: near/long-term Institutional Physical		(readily available, partially, needs to be compiled, not available)	N/A, low, medium, high	
1	Surface		S, Q, E	Projects and studies	Number of projects or studies funded for Surface Storage Investigations	59	count	annual		CBDA - M. Myatt	readily available	high	N/A
2	Surface		S, Q, E	Projects and studies	Money spent on studies funded for Surface Storage Investigations	71320000	\$	annual		CBDA - M. Myatt	readily available	high	N/A
3	Surface		S, Q, E	Partnerships	In-Delta DWR and Reclamation....			Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
4	Surface		S, Q, E	Partnerships	Shasta Lake- stakeholder briefings and public workshops	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
5	Surface		S, Q, E	Partnerships	Los Vaqueros- 20 workshops and 6 CCWD Board meetings for information and receive comments; CCWD signatory to MOU	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
6	Surface		S, Q, E	Partnerships	NODOS (Sites Reservoir) - signed, joint planning MOU with 12 local water agencies and counties and five State and federal agencies	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
7	Surface		S, Q, E	Partnerships	Upper San Joaquin- Meetings with stakeholders to identify potential conjunctive use projects and stakeholder interests	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
8	Surface		S, Q, E	Feasibility study and funding	In-Delta: Study with supporting reports	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
9	Surface		S, Q, E	Feasibility study and funding	Shasta Lake- Re-initiation of feasibility investigation	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
10	Surface		S, Q, E	Feasibility study and funding	Los Vaqueros							high	
11	Surface		S, Q, E	Feasibility study and funding	Sites Reservoir- engineering studies of conveyance facilities	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report		high	
12	Surface		S, Q, E	Feasibility study and funding	Upper San Joaquin- Filed NOI/NOP, series of scoping meetings	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	yes	high	
13	Surface		S, Q, E	Alternatives development and project formulation	In-Delta-							high	

ID	Relevant CALFED Target			Funding			Geographic Scope	Performance	
	Value	Unit or Qualitative Statement	Frequency	CALFED	Other	Estimate of Area Covered	CALFED Region(s)	Level	Category
#				\$1000, 0.00, ???		N/A			
1	N/A	N/A	N/A	N/A	N/A	N/A	All	1	Administrative
2	N/A	N/A	N/A	\$0.00	\$0.00		All	1	Administrative
3							Delta/All	2	ROD Milestone
4							Sacramento Valley/All	2	ROD Milestone
5							Bay Area/All	2	ROD Milestone
6					\$0.00		Sacramento Valley/All	2	ROD Milestone
7					\$0.00		San Joaquin Valley/All	2	ROD Milestones
8					\$0.00		Delta/All	2	ROD milestones
9					\$0.00		Sacramento Valley/All	2	ROD milestones
10					\$0.00		Bay Area/All	2	ROD milestones
11					\$0.00		Sacramento Valley/All	2	ROD milestones
12					\$0.00		San Joaquin Valley/All	2	ROD milestones
13					\$0.00			2	ROD milestones

ID	CALFED Element	Element Objective	CALFED Objectives	Metric Reporting						Metric Data			F
				Type	Description	Value	Unit or Qualitative Statement	Frequency	Outcome	Source & Contact	Status of Availability	Quality	Description
14	Surface		S, Q, E	Alternatives development and project formulation	Shasta Lake- completed Initial Alternative Information Report	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
15	Surface		S, Q, E	Alternatives development and project formulation	Los Vaqueros- Draft Planning Report and 22 supporting technical memoranda	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
16	Surface		S, Q, E	Alternatives development and project formulation	Sites Reservoir- Completed CALSIM II modeling runs exploring potential operational scenarios	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
17	Surface		S, Q, E	Alternatives development and project formulation	Upper San Joaquin- Completed a Phase I investigation Report including appraisal level evaluation of 17 surface storage alternatives, narrowed the potential viable list	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
18	Surface		S, Q, E	Environmental review & documentation	In-Delta Planned release of Draft EIS/EIR Winter 2005	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
19	Surface		S, Q, E	Environmental review & documentation	Shasta Lake- Completed Reports for: Mission Statement Milestone, Engineering Break Point Analysis, Ecosystems Opportunities	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
20	Surface		S, Q, E	Environmental review & documentation	Los Vaqueros- monthly Bay Area water and regulatory agency coordination workshops to jointly develop work plans for environmental and engineering review	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
21	Surface		S, Q, E	Environmental review & documentation	Sites Reservoir- Completed development of water quality and temperature model, completed a Flow Regime Technical Advisory Group Summary and Evaluation Report	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	

ID	Relevant CALFED Target			Funding			Geographic Scope	Performance	
	Value	Unit or Qualitative Statement	Frequency	CALFED	Other	Estimate of Area Covered	CALFED Region(s)	Level	Category
14					\$0.00		Sacramento Valley/All	2	ROD milestones
15							Bay Area/All	2	ROD milestones
16					\$0.00		Sacramento Valley/All	2	ROD milestones
17					\$0.00		San Joaquin Valley/All	2	ROD milestones
18					\$0.00		Delta/All	2	ROD milestones
19					\$0.00		Sacramento Valley/All	2	ROD milestones
20					\$0.00		Bay Area/All	2	ROD milestones
21					\$0.00		Sacramento Valley/All	2	ROD milestones

ID	CALFED Element	Element Objective	CALFED Objectives	Metric Reporting						Metric Data			F
				Type	Description	Value	Unit or Qualitative Statement	Frequency	Outcome	Source & Contact	Status of Availability	Quality	Description
22	Surface		S, Q, E	Environmental review & documentation	Upper San Joaquin- Completed 17 preliminary options analysis of potential environmental impacts and water supply benefits	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
23	Surface		S, Q, E	Construction authorization and funding	In-Delta								
24	Surface		S, Q, E	Construction authorization and funding	Shasta Lake								
25	Surface		S, Q, E	Construction authorization and funding	Los Vaqueros- Results of ballot measure; Advisory report passed with 63% recommending CCWD continue project studies	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
26	Surface		S, Q, E	Construction authorization and funding	Sites Reservoir- Notices of Preparation and Intent were filed	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
27	Surface		S, Q, E	Construction authorization and funding	Upper San Joaquin- Preliminary analysis of construction cost estimates were completed for 17 options	N/A	see description	Published Report	Informational: long-term	April 2004 DWR/BoR progress report	readily available	high	
28	Surface		S, Q, E	Model Input	Updates to models used for common assumptions	N/A	narrative that describes model updates	Published Report	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	N/A
29	Surface		S, Q, E	Model Input	Common assumptions modeling package	N/A	narrative that describes the model package	Published Report	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	N/A
30	Surface		S, Q, E	Model Input	Land Use Detail by Input Unit ie PA of DAU		acres	annual	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	N/A
31	Surface		S, Q, E	Model Input	Water Demand Detail by Input Unit ie PA of DAU		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	N/A
32	Surface		S, Q, E	Model Input	Operational assumptions of facilities used in model	N/A	Operating Rules for each facility	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
33	Surface		S, Q, E	Model Input	Physical Operational Constraints of facilities used in model		Max, Min capacities	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	

ID	Relevant CALFED Target			Funding			Geographic Scope	Performance	
	Value	Unit or Qualitative Statement	Frequency	CALFED	Other	Estimate of Area Covered	CALFED Region(s)	Level	Category
22					\$0.00		San Joaquin Valley/All	2	ROD milestones
23					\$0.00		Delta/All	2	ROD milestones
24					\$0.00		Sacramento Valley/All	2	ROD milestones
25							Bay Area/All	2	ROD milestones
26					\$0.00		Sacramento Valley/All	2	ROD milestones
27					\$0.00		San Joaquin Valley/All	2	ROD milestones
28	N/A	N/A	N/A	N/A	N/A	N/A	All	2	Program Activities
29	N/A	N/A	N/A	N/A	N/A	N/A	All	2	Program Activities
30	N/A	N/A	N/A	N/A	N/A	N/A	All	2	Program Activities
31	N/A	N/A	N/A	N/A	N/A	N/A	All	2	Program Activities
32							All	2	Program Activities
33							All	2	Program Activities

ID	CALFED Element	Element Objective	CALFED Objectives	Metric Reporting						Metric Data			F
				Type	Description	Value	Unit or Qualitative Statement	Frequency	Outcome	Source & Contact	Status of Availability	Quality	Description
34	Surface		S, Q, E	Model Input	Flow depth regulatory requirements that must be met		feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
35	Surface		S, Q, E	Model Input	Flow rate regulatory requirements that must be met		cfs	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
36	Surface		S, Q, E	Model Input	Water quality regulatory requirements that must be met		constituent measurement	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
37	Surface		S, Q, E	Model Input	Operational policies used to constrain facilities use		Documentation of Operational Policies	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
38	Surface		S, Q, E	Model Input	Costs		\$		Informational: long-term	Common Assumptions - DWR/BoR - Guillen	not available	?	
39	Surface		S, Q, E	Model Output	Contract Deliveries		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
40	Surface		S, Q, E	Model Output	Hydrology		Flow, Depth, Volume, Quality	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
41	Surface		S, Q, E	Model Output	Cold water storage pool		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
42	Surface		S, Q, E	Model Output	Stage and Scouring		Elevation and velocity	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
43	Surface		S, Q, E	Model Output	Electrical Conductivity		Total dissolved solids	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
44	Surface		S, Q, E	Model Output	Bromide		bromide concentration	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
45	Surface		S, Q, E	Model Output	Total Organic Carbon		TOC concentration	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
46	Surface		S, Q, E	Model Output	Water Temperature		Temperature	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	

ID	Relevant CALFED Target			Funding			Geographic Scope	Performance	
	Value	Unit or Qualitative Statement	Frequency	CALFED	Other	Estimate of Area Covered	CALFED Region(s)	Level	Category
34							All	2	Program Activities
35							All	2	Program Activities
36							All	2	Program Activities
37							All	2	Program Activities
38							All	2	Program Activities
39							All	2	Program Activities
40							All	2	Program Activities
41					\$0.00		All	2	Program Activities
42					\$0.00		All	2	Program Activities
43					\$0.00		All	2	Program Activities
44					\$0.00		All	2	Program Activities
45							All	2	Program Activities
46							All	2	Program Activities



ID	CALFED Element	Element Objective	CALFED Objectives	Metric Reporting						Metric Data			F
				Type	Description	Value	Unit or Qualitative Statement	Frequency	Outcome	Source & Contact	Status of Availability	Quality	Description
47	Surface		S, Q, E	Model Output	other water quality		Concentration	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
48	Surface		S, Q, E	Model Output	X2 Location		Location and Total dissolved solids	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
49	Surface		S, Q, E	Model Output	Reverse/Cross-Delta Flow		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
50	Surface		S, Q, E	Model Output	Delta Outflow		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
51	Surface		S, Q, E	Model Output	EWA Quantity and Location (NOD or SOD)		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
52	Surface		S, Q, E	Model Output	Level 4 Refuge Delivery		acre-feet	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
53	Surface		S, Q, E	Model Output	Facilities use from modeling runs			monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
54	Surface		S, Q, E	Model Output	Operations use from modeling runs			monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	
55	Surface		S, Q, E	Model Output	Number of regulatory requirements that are met or violated		count	monthly, all year types	Informational: long-term	Common Assumptions - DWR/BoR - Guillen	needs to be compiled	?	

ID	Relevant CALFED Target			Funding			Geographic Scope	Performance	
	Value	Unit or Qualitative Statement	Frequency	CALFED	Other	Estimate of Area Covered	CALFED Region(s)	Level	Category
47							All	2	Program Activities
48							All	2	Program Activities
49							All	2	Program Activities
50							All	2	Program Activities
51							All	2	Program Activities
52							All	2	Program Activities
53							All	2	Program Activities
54							All	2	Program Activities
55							All	2	Program Activities